

CLAIMS

We claim:

5 1. A method for communication to a thread in an environment that has built-in streams comprising:

associating a first stream with said thread;

associating a second stream with said thread; and

executing said thread comprising:

10 using said first stream and said second stream.

2. The method of claim 1 wherein said built-in streams of said environment are created automatically.

15 3. The method of claim 1 wherein at least one of said first stream and said second stream is a standard stream.

4. The method of claim 1 wherein said thread is assigned said first stream and said second stream upon creation.

20 5. The method of claim 1 wherein said first stream is an input stream.

6. The method of claim 1 wherein said second stream is an output stream.

7. The method of claim 6 wherein said second stream is an error stream when it is not said output stream.

8. The method of claim 3 wherein at least one of said first stream and said second stream is used by said thread to read data from a stream operator of said standard stream.

9. The method of claim 3 wherein at least one of said first stream and said second stream is used by said thread to write data to a stream operator of said standard stream.

10. The method of claim 3 wherein said first stream and said second stream are used by said thread to read data from one or more child threads.

11. The method of claim 3 wherein said first stream and said second stream are used by said thread to write data to one or more child threads.

12. A computer program product comprising:
a computer useable medium having computer readable program code embodied therein configured to communicate to a thread in an environment that has built-in streams, said computer program product comprising:
computer readable code configured therein to cause a computer to associate a first stream with said thread;
computer readable code configured therein to cause a computer to associate a second stream with said thread; and

computer readable code configured therein to cause a computer to execute said thread comprising:

computer readable code configured therein to cause a computer to use said first stream and said second stream.

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13. The computer program product of claim 12 wherein said built-in streams of said environment are created automatically.

14. The computer program product of claim 11 wherein at least one of said first stream and said second stream is a standard stream.

15. The computer program product of claim 11 wherein said thread is assigned said first stream and said second stream upon creation.

16. The computer program product of claim 11 wherein said first stream is an input stream.

17. The computer program product of claim 11 wherein said second stream is an output stream.

18. The computer program product of claim 17 wherein said second stream is an error stream when it is not said output stream.

19. The computer program product of claim 14 wherein at least one of said first stream and said second stream is used by said thread to read data from a stream operator of said standard stream.

20. The computer program product of claim 14 wherein at least one of said first stream and said second stream is used by said thread to write data to a stream operator of said standard stream.

21. The computer program product of claim 14 wherein said first stream and said second stream are used by said thread to read data from one or more child threads.

22. The computer program product of claim 14 wherein said first stream and said second stream are used by said thread to write data to one or more child threads.